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In the Claims:

Please amend the claims to read as follows.

1. (Presently Amended) A method of reducing the damage to an internally coated medical implant during the expansion of the medical implant, the method comprising:
providing an internally coated medical implant having an inner surface and an outer surface, the inner surface of the implant at least partially coated with a coating; and
providing a balloon catheter having a multi-wing balloon, the multi-wing balloon having at least four a previously selected number of expandable folds, the number of folds being selected to reduce the deformation of coating of the medical implant caused by the expansion of the multi-wing balloon during expansion of the coated medical implant, and
~~crimping the coated medical implant onto the multi-wing balloon.~~
2. (Presently Amended) The method of claim 1 further comprising:
crimping the coated medical implant onto the multi-wing balloon;
positioning the multi-wing balloon with the coated medical implant crimped thereon at a target site in the body; and
expanding the multi-wing balloon.
3. (Presently Amended) The method of ~~claim 1~~ claim 2 further comprising:
encircling the multi-wing balloon with a removable elastic membrane before crimping the coated medical implant onto the multi-wing balloon.
4. (Presently Amended) The method of claim 1 wherein the number of folds in the multi-wing balloon is related to ~~the~~ a number of cells in the coated medical implant.
5. (Presently Amended) The method of claim 1 wherein the number of folds ~~provided in the multi-wing balloon is related to the coating on the coated medical implant~~ selected is also


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selected such that during expansion of the coated medical implant the internal surface coating remains substantially intact after the medical implant has been expanded.

6. (Presently Amended) The method of claim 5, wherein ~~as the adhesiveness between the coating and the coated medical implant,~~ the number of folds ~~provided~~ selected for in the multi-wing balloon increases has an inverse relationship to the softness of the coating of the medical implant.

7. (Original) The method of claim 2 wherein the multi-wing balloon expands in a sweeping spiral fashion.

8. (Original) The method of claim 1 wherein the multi-wing balloon has been pre-treated to reduce the adhesion between the balloon and the coating on the coated medical implant.

 9. (Original) The method of claim 8 wherein the pre-treatment includes coating the multi-wing balloon.

10. (Original) The method of claim 8 wherein the pre-treatment includes heating the multi-wing balloon.

11. (Original) The method of claim 8 wherein the pre-treatment includes polishing the surface of the multi-wing balloon.

12. (Original) The method of claim 1 wherein the coating includes a polymer.

13. (Original) The method of claim 1 wherein the coating includes a therapeutic agent.

14. (Original) The method of claim 1 wherein the coating includes a bio-compatible

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polymer and a therapeutic agent.

15. (Presently Amended) A coated medical implant delivery system comprising:
an internally coated medical implant having an inner surface and an outer surface, the inner surface of the implant at least partially coated with a coating; and
a multi-wing balloon catheter having ~~at least four a previously selected number of~~
expandable wings folds, the expandable wings folds in contact with the inner coating of the
medical implant, the number of folds selected to reduce the deformation of coating of the
medical implant caused by the expansion of the multi-wing balloon catheter during expansion of
the coated medical implant.

16. (Presently Amended) The coated medical implant delivery system of claim 15
wherein the number of wings folds in the multi-wing balloon catheter has an inverse relationship
to the adhesiveness or ~~softness~~ of the coating of the medical implant to the medical implant.

17. (Presently Amended) The coated medical implant delivery system of claim 15 further
comprising:
an elastic membrane located between the expandable wings folds and the coating of the
medical implant.

18. (Presently Amended) The coated medical implant delivery system of claim 15
wherein the expandable wings folds have been pre-treated to reduce the adhesion between the
expandable wings folds and the coating of the medical implant.

19. (Presently Amended) The coated medical implant delivery system of claim 18
wherein the pre-treatment includes coating the expandable wings folds and wherein the implant
is a stent.

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20. (Presently Amended) The coated medical implant delivery system of claim 18 wherein the pre-treatment includes polishing the expandable wings ~~wings~~ folds and wherein the coating of the medical implant comprises either a polymer or a therapeutic agent.

Q2 21. (Original) The coated medical implant delivery system of claim 17 wherein the elastic membrane has been pre-treated on an outside surface to reduce the adhesion between the coating of the medical implant and the membrane wherein the elastic membrane has been pre-treated on an inside surface to reduce the adhesion between the membrane and the balloon.

22. (New) A coated medical implant delivery system comprising:
a coated medical implant; and
an expandable balloon supporting the coated medical implant, the balloon having a previously polished external surface.